



State of Washington
Application for a Water Right Permit

☐ SURFACE WATER ☒ GROUND WATER
☒ Permanent ☐ Temporary ☐ Short Term

For Ecology Use
(Date Stamp)

Follow the attached instructions. Attach additional sheets as necessary.

A NON-REFUNDABLE MINIMUM FEE OF \$50.00 PAYABLE TO
THE DEPARTMENT OF ECOLOGY MUST ACCOMPANY THIS APPLICATION.

Section 1. APPLICANT

Applicant/Business Name: Ron & Marc Swenson	Phone No: 360.321.6351	Other No: 360.632.0361
Address: 4724 Thornwood Lane		
City: Langley	State: Wa	Zip: 98260
Email Address (optional):		

Contact Name (if different from above):	Phone No:	Other No:
Relationship to Applicant:		
Address:		
City:	State:	Zip:
Email Address (optional):		

Section 2. STATEMENT OF INTENT

Briefly describe the purpose of your proposed project: Small public water system supply domestic water to multiple parcels.

Anticipated length of time to complete your project: 5 years

Water Use List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only) <input type="checkbox"/> Cubic Feet per Second (CFS) <input checked="" type="checkbox"/> Gallons per Minute (GPM)	Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
Domestic-Multiple	60	est. at 10	Continuously
TOTAL:			

Short Term/Temporary Water Use

Is this a request for a short term project (less than four months and non-recurring)? ☐ YES ☒ NO

Is this request for a temporary permit? ☐ YES ☒ NO

If yes to either question above, indicate the dates that the water will be needed:

For Ecology Use	APPLICATION NO: 61-28505	SEPA: Exempt/Not Exempt
	Fee Paid: _____ Check No: _____	ECY Coding: 001-001-WR1-0285-000011
Date Returned _____	By _____	Priority Date 6/25/07 By [Signature] WRIA: 6

FROM: ____/____/____ TO: ____/____/____

For Ecology Use	APPLICATION NO: _____	SEPA: Exempt/Not Exempt
	Fee Paid: _____	Check No: _____ ECY Coding: 001-001-WR1-0285-000011
Date Returned _____ By _____ Priority Date _____ By _____ WRIA: _____		

Section 3. POINT OF DIVERSION OR WITHDRAWAL

Complete A or B, and C below

A.) If Surface Water Source	B.) If Ground Water Source
<input type="checkbox"/> Spring <input type="checkbox"/> Creek <input type="checkbox"/> River <input type="checkbox"/> Lake <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____
Source Name: _____	Well diameter & depth: 6" & 372'
Tributary to: _____	Number of proposed points of withdrawal: 1
Number of proposed diversion points: _____	Do you have an existing well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Do you have an existing diversion? <input type="checkbox"/> YES <input type="checkbox"/> NO	If available, attach Water Well Report and pump test. Well Tag ID No. APS 072

C.) Point of Diversion/Withdrawal – Legal Description

Parcel No.	1/4	1/4	Section	Township	Range	County
R33031-374-2700	SE	NW	31	30 N	03 E	Island
Lot(s)	Block(s)		Subdivision			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:
1150 Feet (☐ North/☒ South) and 1200 feet (☐ East/☒ West)
from the (☐NW ☐SW ☐NE ☒SE ☐) corner of Section NW 1/4.

Parcel No.	1/4	1/4	Section	Township	Range	County
Lot(s)	Block(s)		Subdivision			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:
____ feet (☐ North/☐ South) and ____ feet (☐ East/☐ West)
from the (☐NW ☐SW ☐NE ☐SE ☐) corner of Section

NOTE: If more than two points of diversion/withdrawal attach additional information on a separate sheet of paper.

Do you own the land on which the proposed point of diversion/withdrawal is located? ☒ YES ☐ NO
If no, do you have legal authority to make this application for use of another's land? ☐ YES ☐ NO
Provide the owner name(s), address, and phone number: _____

Section 4. PLACE OF USE

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

1/4	1/4	Section	Twp.	Range	County	Parcel No.
SE	NW	31	30 N	03 E	Island	R33031-309-1860, R33031-309-2680, R33031-374-1880, & R33031-374-2700

Do you own all the lands on which the proposed place of use is located? ☐ YES ☒ NO.

If no, do you have legal authority to make this application for use of another's land? ☒ YES ☐ NO
Provide owner name(s), address, and phone number: Pensco Trust Company, Custodian Bruce J. Kortebein, IRA
Account # K01BX, PO Box 26903, San Francisco, CA 94126

Are there any other water rights or claims associated with this property or water system? ☐ YES ☒ NO
If yes, provide the water right and/or claim numbers: _____

be sure to include a complete copy of the plat map.

Section 5. WATER SYSTEM DESCRIPTION

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source): Single well with submersible pump, connected to PVC disttribution lines and hydropneumatic tanks.

Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION

Complete A or B, and C below

A.) Domestic Water Systems only	B.) Municipal Water Systems only <i>(defined under RCW 90.03.015)</i>
Projected number of connections to be served: <u>initially 10 (up to 20)</u>	Present population to be served water: _____
Type of connections: <u>homes</u> <i>(e.g., home, recreational cabin)</i>	Estimate future population to be served: _____ (20 year projection)
C.) Water System Planning	
Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
If yes, date plan was approved ____/____/____ Water System Number: _____	
Name of water system: <u>Proposed - Skyview Water System</u>	
Are you within the service area of an existing water system? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
If yes, explain why you are unable to connect to the system: _____	

Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES

Irrigation

Total number of acres requested to be irrigated under this application = 0 ACRES

NOTE: Outline the area to be irrigated on your attached map.

Stockwater

List number and kind of stock:n/a

Is the proposed project for a dairy farm? ☐ YES ☒ NO

Other Proposed Farm Uses

Describe all proposed uses: n/a

Family Farm Water Act (RCW 90.66):

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres? ☒ YES ☐ NO

Do you have a controlling interest in a Family Farm Development Permit? ☐ YES ☒ NO

If yes, enter Permit No: _____

Section 8. OTHER WATER USES

Hydropower

Indicate total feet of head n/a and proposed capacity in kilowatts: _____

Describe works: _____

Indicate all uses to which power is to be applied: _____

FERC License No: _____

Mining/Industrial Use

Describe use, method of supplying and utilizing water: n/a

Other Use

n/a

Section 9. WATER STORAGE

Will you be using a dam, dike, or other structure to retain or store water? ☐ YES ☒ NO

Are you proposing to store more than 10 acre-feet of water? ☐ YES ☒ NO

Will the water depth be 10 feet or more? ☐ YES ☒ NO

If you answered yes to any of the above questions, please describe: _____

NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point and some portion of the storage will be above grade, you must also complete an Application for Permit to Construct a Reservoir and a Dam Construction Permit and Application.

Section 10. DRIVING DIRECTIONS

Provide detailed driving directions to the project site: Head north on SR 525 from Clinton. Turn right in Freeland on Scott Road. Follow Scott Road to East Harbor Road. Take a right on East Harbor Road and follow to Goss Lake Road. Take a right on Goss Lake Road. Follow Goss Lake Road to Pintail Road. Take left on Pintail Road. Follow Pintail Road north to the end. Gravel Access easement will be present on the right. Follow easement, 900 feet east, 650 feet north, and then 650 feet east to the well head.

Site Address: n/a

Section 11. REQUIRED SIGNATURES

I certify that the information provided in this application is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though the employees of the Department of Ecology may have assisted me in the preparation of the above application, all responsibility for the accuracy of the information rests with me, the applicant.

MARC G SWENSON

Print Name

(Applicant or authorized representative)

Marc G Swenson

Signature

6-19-07

Date

MARC G SWENSON

Print Name

(Landowner of Place of Use)

Marc G Swenson

Signature

6-19-07

Date

RONALD C SWENSON

Print Name

(Landowner of Place of Use)

Ronald C Swenson

Signature

6-19-07

Date

PENSIO TRUST CO. (CUSTODIAN)

Print Name

(Landowner of Place of Use)

Bruce Kortebein

Signature

6/19/07

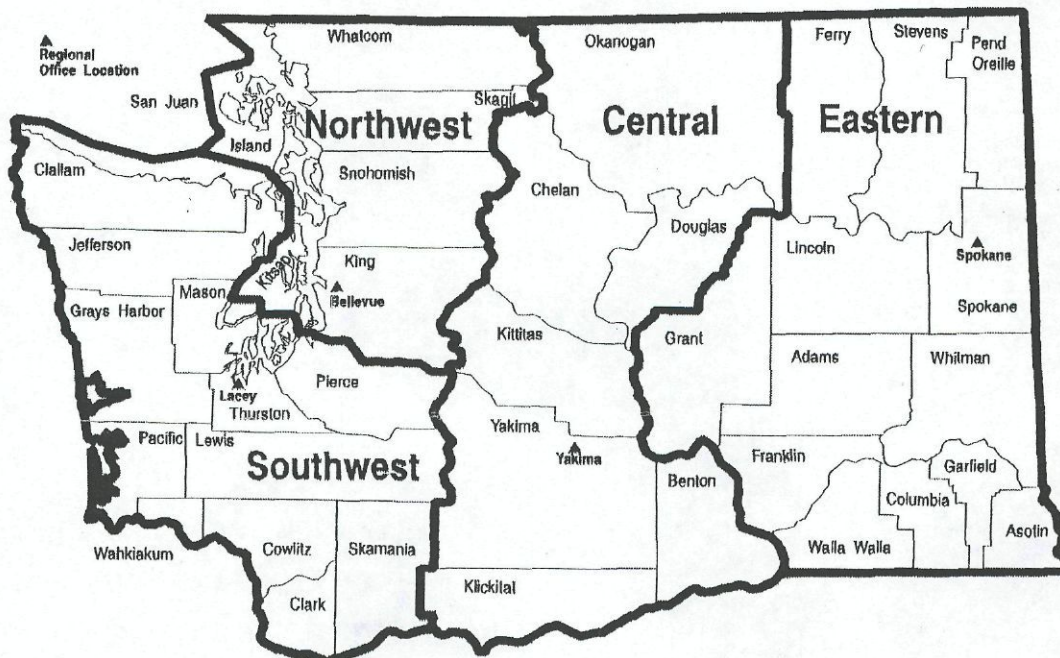
Date

Submit your application to: DEPARTMENT OF ECOLOGY
CASHIERING SECTION
PO BOX 5128
LACEY WA 98509-5128

Please check the region in which your proposed project is located.

☐ Southwest ☒ Northwest ☐ Central ☐ Eastern

Below is a map of the State of Washington, with outlines of the four Ecology regional offices. If you have questions about your application, contact the Water Resources program at the regional office in which your project is located.



Southwest Regional Office: 360-407-6300

Northwest Regional Office: 425-649-7000

Central Regional Office: 509-575-2490

☐ 15029 BOTHELL WAY NE, STE 600

LAKE FOREST PARK, WA 98155

TELEPHONE: (206) 523-0024

FAX: (206) 523-1012

☒ PO BOX 1132

FREELAND, WA 98249

TELEPHONE: (360) 331-4131

FAX: (360) 331-7394

DATE: June 20, 2007

RE: Water Right Application - APS 072

WE ARE SENDING YOU:

☒ Attached☐ Under Separate
Cover☐ Letter☒ Permit App.☐ Plans☐☐ Specifications☐☐ Report☐

TO: Cashiering Section

Department of Ecology

PO Box 5128

Lacey, WA 98509-5128

NO.	COPIES	DESCRIPTION
1	1	\$50 Water Right Application Fee
2	1	Water Right Application
3	1	Well Log
4	1	Vicinity Map and Legal Descriptions
5	1	4 Hour Pump Test
6	1	Water Chemistry Results

THESE ARE TRANSMITTED as checked below:

☒ For review☐ No exceptions taken☐ Resubmit _____ copies for review☐ For your use☐ Exceptions as noted☐ Submit _____ copies for distribution☐ As requested☐ Returned for corrections☐ Return _____ corrected prints☐ For review and Comment☐

REMARKS

DISTRIBUTION:

☒ Ron & Marc Swenson☒ Vin Sherman, ICHD☒ DCG File

SIGNED: _____



Jeffrey M. Tasoff

If enclosures are not as noted, kindly notify us at once.

12119

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No.

W232705
- APS 072

(1) OWNER: Name SWENSON, RON Address PARCEL # 330313091860 LANGLEY, WA

(2) LOCATION OF WELL: County ISLAND

- SE 1/4 NW 1/4 Sec 31 T 30 N., R 3E WM

(2a) STREET ADDRESS OF WELL (or nearest address) GOSS LAKE / LOT C

(3) PROPOSED USE: DOMESTIC

(10) WELL LOG

(4) TYPE OF WORK: Owner's Number of well
(If more than one) 1
NEW WELL Method: ROTARY

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 372 ft. Depth of completed well 371.5 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Dia. from +2 ft. to 364.5 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

MATERIAL	FROM	TO
BROWN TOPSOIL	0	1
BROWN CLAY GRAVEL & SAND	1	5
GRAY GRAVEL SAND & SILT	5	90
GRAY SAND & SILT & GRAVEL	90	140
BROWN SAND & SILT	140	150
GRAY CLAY SAND & WOOD	150	176
GRAY CLAY GRAVEL & SAND & SILT	176	186
BROWN SAND & SILT	186	202
GRAY SAND & SILT & WOOD	202	230
GRAY CLAY SILT & WOOD	230	232
GRAY SAND & SILT & WOOD	232	245
GRAY CLAY & SILT	245	283
GRAY CLAY SAND & WOOD	283	298
GRAY SAND & SILT	298	302
GRAY SAND & SILT CLAY	302	336
GRAY SAND & WATER	336	

Perforations: NO

Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES

Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No.
Diam. 6 slot size 20 from 361.5 ft. to 366.5 ft.
Diam. 6 slot size 18 from 366.5 ft. to 371.5 ft.Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off(7) PUMP: Manufacturer's Name
Type H.P.(8) WATER LEVELS: Land-surface elevation
above mean sea level ... ft.
Static level 302.4 ft. below top of well Date 04/24/07
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

Well site meets all sighting criteria under I.C.C. 8.09 based on information supplied by the owner or owner's authorized representative.

Work started 03/29/07

Completed 04/11/07

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.

WELL CONSTRUCTOR CERTIFICATION:

Was a pump test made? YES If yes, by whom? HAYES DRILLIN
Yield: 60 gal./min with 15.20 ft. drawdown after 4.5 hrs.

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.


Recovery data

Time	Water Level	Time	Water Level	Time	Water Level
.05	302.4				

NAME HAYES DRILLING, INC.

(Person, firm, or corporation) (Type or print)

ADDRESS 5696 ERSBIG RD. BOW, WA

[SIGNED]  License No. 2562

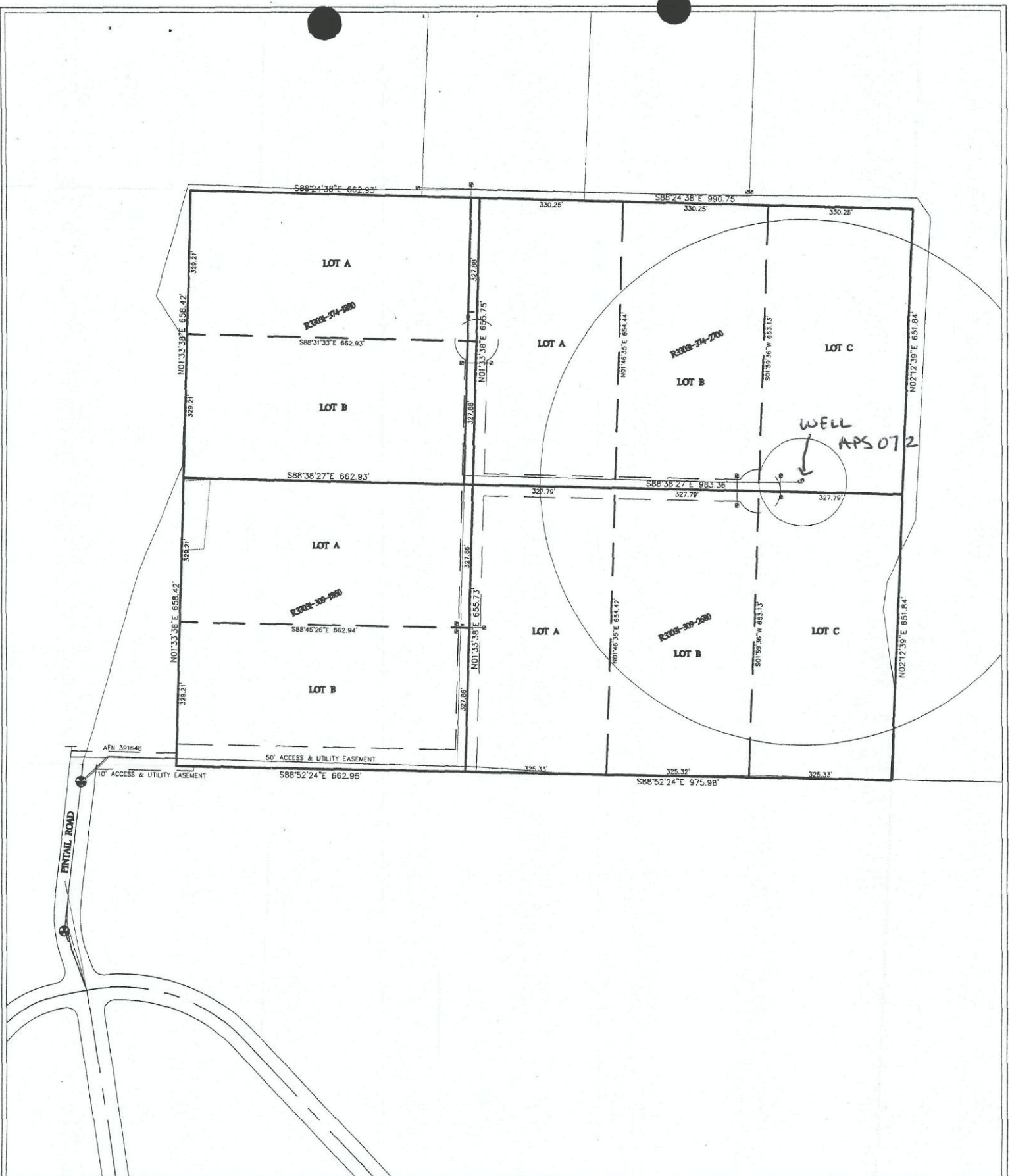
Contractor's

Registration No. HAYESDI106J5

Date 05/02/07

Date of test 04/24/07
Bailer test 1 gal/min. .08 ft. drawdown after 1 hrs.
Air test gal/min. w/ stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? YES

08227



DAVIDO CONSULTING GROUP, INC.
Civil • Structural • Land Use

15029 Bothell Way NE, Suite 600
Lake Forest Park, WA 98155
206.523.0024

P.O. Box 1132
Freeland, WA 98249
360.331.4131

SKYVIEW WATER SYSTEM
LANGLEY, WA
NW SEC 31, T 30N, R 3E
SERVICE AREA

DWG NO.

1

DATE
6/8/07

CAD FILE NUMBER:
SWENSON 14

REV.
A

SHT 1 OF 1

LEGAL DESCRIPTIONS

PARCEL A
R33031-309-1860

The West 662.93 feet of the Southwest Quarter of the following described parcel:

That portion of the South Half of the Northwest Quarter of Section 31, Township 30 North, Range 3 East of the Willamette Meridian, described as follows:

Beginning at the Southeast corner of said South Half;

Thence N 88°52'24" W, along the South line of said South Half, a distance of 1638.93 feet;

Thence N 01°33'39" E, parallel to the West line thereof, a distance of 1317.01 feet to the North line of said South Half;

Thence S 88°24'21" E, along said North line, a distance of 1653.72 feet to the East line of said South Half;

Thence S 02°12'46" W, along said East line, a distance of 1303.71 feet to the Point of Beginning.

Together with Easements of record under Auditors File No. 604910 and 391648.

Situated in Island County, Washington.

PARCEL B
R33031-374-1880

The West 662.93 feet of the Northwest Quarter of the following described parcel:

That portion of the South Half of the Northwest Quarter of Section 31, Township 30 North, Range 3 East of the Willamette Meridian, described as follows:

Beginning at the Southeast corner of said South Half;

Thence N 88°52'24" W, along the South line of said South Half, a distance of 1638.93 feet;

Thence N 01°33'39" E, parallel to the West line thereof, a distance of 1317.01 feet to the North line of said South Half;

Thence S 88°24'21" E, along said North line, a distance of 1653.72 feet to the East line of said South Half;

Thence S 02°12'46" W, along said East line, a distance of 1303.71 feet to the Point of Beginning.

Together with Easements of record under Auditors File No. 604910 and 391648.

Situated in Island County, Washington.

PARCEL C (WELL SITE PARCEL)
R33031-374-2700

The Northwest Quarter, except the West 662.93 feet thereof, together with the Northeast Quarter of the following described parcel:

That portion of the South Half of the Northwest Quarter of Section 31, Township 30 North, Range 3 East of the Willamette Meridian, described as follows:

Beginning at the Southeast corner of said South Half;

Thence N 88°52'24" W, along the South line of said South Half, a distance of 1638.93 feet;

Thence N 01°33'39" E, parallel to the West line thereof, a distance of 1317.01 feet to the North line of said South Half;

Thence S 88°24'21" E, along said North line, a distance of 1653.72 feet to the East line of said South Half;

Thence S 02°12'46" W, along said East line, a distance of 1303.71 feet to the Point of Beginning.

Together with Easements of record under Auditors File No. 604910 and 391648.

Situated in Island County, Washington.

PARCEL D
R33031-309-2680

The Southwest Quarter, except the West 662.93 feet thereof, together with the Southeast Quarter of the following described parcel:

That portion of the South Half of the Northwest Quarter of Section 31, Township 30 North, Range 3 East of the Willamette Meridian, described as follows:

Beginning at the Southeast corner of said South Half;

Thence N 88°52'24" W, along the South line of said South Half, a distance of 1638.93 feet;

Thence N 01°33'39" E, parallel to the West line thereof, a distance of 1317.01 feet to the North line of said South Half;

Thence S 88°24'21" E, along said North line, a distance of 1653.72 feet to the East line of said South Half;

Thence S 02°12'46" W, along said East line, a distance of 1303.71 feet to the Point of Beginning.

Together with Easements of record under Auditors File No. 604910 and 391648.

Situated in Island County, Washington.



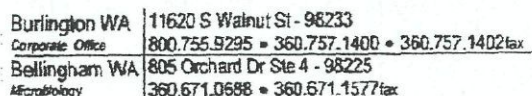
Hayes Drilling, Inc.

www.hayesdrilling.com

Pumping Test Report

Name: R&M Land Development / Ron Swenson
 Job No: 12119
 Site: Goss Lake Road Langely, WA
 Well No: **APS 072**
 Static: 302.45 TOC (Top Of Casing)
 GPM: **60**
 Start Date: 04/24/2007

Time (min)	Static	H2O Level	Drawdown	GPM	RECOVERY		
					Static	H2O Level	Recovery
0.5	302.45	309.35	6.90				
1	302.45	310.35	7.90		302.45		302.45
2	302.45	310.35	7.90	adjusted flow	302.45		302.45
3	302.45	308.35	5.90		302.45		302.45
4	302.45	311.15	8.70		302.45		302.45
5	302.45	312.80	10.35		302.45	302.45	0.00
6	302.45	312.90	10.45				
7	302.45	312.95	10.50	adjusted flow			
8	302.45	314.42	11.97				
9	302.45	314.70	12.25				
10	302.45	314.75	12.30	adjusted flow			
15	302.45	315.33	12.88				
20	302.45	316.01	13.56				
25	302.45	317.85	15.40	60			
30	302.45	317.70	15.25	60			
35	302.45	317.80	15.35	60			
40	302.45	317.60	15.15	60			
45	302.45	317.80	15.35	60			
50	302.45	317.80	15.35	60			
55	302.45	317.80	15.35	60			
60	302.45	317.83	15.38	60			
70	302.45	317.86	15.41	60			
80	302.45	317.85	15.40	60			
90	302.45	317.82	15.37	60			
100	302.45	317.65	15.20	60			
110	302.45	317.60	15.15	60			
120	302.45	317.65	15.20	60			
150	302.45	317.80	15.35	60			
180	302.45	317.65	15.20	60			
210	302.45	317.80	15.35	60			
240	302.45	317.65	15.20	60			
300	302.45	317.65	15.20	60			



Client Name: **Hayes Drilling Inc.**
5696 Ershig Rd.
Bow, WA 98232

Reference Number: 07-04955
Project: 12119 Ron Swensen

System Name:
System ID Number:
DOH Source Number:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: 12:40 a.m.
County:
Sampled By:
Sampler Phone:

Repeat Sample Number:
Lab Number: 16411358
Collect Date: 4/24/2007
Date Received: 4/25/2007
Report Date: 4/26/2007
Field ID: welhead
Comment:
Supervisor:

APS 072

NOTES:

If the result is Unsatisfactory a repeat sample is required for Public Water Systems. Private individuals should investigate the cause of the unsatisfactory result and resample.

IF E. Coli or Fecal Coliform are present in sample do not drink the water until it is properly treated.

Comments

FORM BACT_ST

FAX: 360-766-6133



Burlington WA 1620 S Walnut St - 98233
Corporate Office 800.755.9295 • 360.757.1400 • 360.757.1402 fax
Bellingham WA 805 Orchard Dr Suite 4 - 98225
Microbiology 360.671.0688 • 360.671.1577 fax

Page 1 of 1

INORGANIC COMPOUNDS (IOC) REPORT

Client Name: Hayes Drilling Inc.
5696 Ership Rd.
Bow, WA 98232

Reference Number: 07-04955

APS - 072

Project: 12119 Ron Swensen
Field ID: wellhead
Sample Description: 12:40 a.m.
Sampled By:
Sample Date: 4/24/2007
Source Type:

Lab Number: 04611358
Report Date: 5/3/2007
Date Received: 4/25/2007
Sampler Phone:

Supervisor:

CAS	ANALYTES	RESULTS	UNITS	POL	MDL	MCL	Analyst	METHOD	COMMENT
EPA Regulated									
7440-38-2	ARSENIC	0.007	mg/L	0.001	3.98E-05	0.010	mvp	200.8	
7440-39-3	BARIUM	0.030	mg/L	0.001	0.00016	2	mvp	200.8	
7440-49-9	CADMIUM	ND	mg/L	0.001	4.57E-05	0.005	mvp	200.8	
7440-47-3	CHROMIUM	ND	mg/L	0.010	0.00018	0.1	mvp	200.8	
7439-97-6	MERCURY	ND	mg/L	0.0002	0.00006	0.002	so	245.1	
7782-49-2	SELENIUM	ND	mg/L	0.005	7.06E-05	0.05	mvp	200.8	
7440-41-7	BERYLLIUM	ND	mg/L	0.001	1.09E-05	0.004	mvp	200.8	
7440-02-0	NICKEL	ND	mg/L	0.005	0.00028	0.1	mvp	200.8	
7440-36-0	ANTIMONY	ND	mg/L	0.001	1.36E-05	0.006	mvp	200.8	
7440-28-0	THALLIUM	ND	mg/L	0.001	1.33E-05	0.002	mvp	200.8	
57-12-5	CYANIDE, FREE	ND	mg/L	0.040	0.006	0.2	bi	SM4500-CN F	
16884-48-8	FLUORIDE	ND	mg/L	0.10	0.012	4	mvp	300.0	
14797-85-0	NITRITE-N	ND	mg/L	0.10	0.010	1	mvp	300.0	
14797-85-6	NITRATE-N	ND	mg/L	0.10	0.015	10	mvp	300.0	
E-10128	TOTAL NITRATE/NITRITE	ND	mg/L	0.10	0.017	10	mvp	300.0	
EPA Regulated (Secondary)									
7439-88-6	IRON	0.19	mg/L	0.050	0.004	0.3	bi	200.7	
7439-96-5	MANGANESE	0.046	mg/L	0.001	2.82E-05	0.05	mvp	200.8	
7440-22-4	SILVER	ND	mg/L	0.001	3.41E-06	0.05	mvp	200.8	
7440-66-9	ZINC	0.023	mg/L	0.005	8.43E-05	5	mvp	200.8	
16887-00-6	CHLORIDE	11	mg/L	1.0	0.012	250	mvp	300.0	
14808-79-8	SULFATE	7	mg/L	0.2	0.04	250	mvp	300.0	
State Regulated									
E-10817	TURBIDITY	1.78	NTU	0.1	0.02	1.0	kiv	SM2130 B	
7440-23-5	SODIUM	9.42	mg/L	1.0	0.03		bi	200.7	
E-11778	HARDNESS	114	mg/L	3.30	0.055		bi	200.7	
E-10184	ELECTRICAL CONDUCTIVITY	253	uS/cm	10	10	700	so	SM2510 B	
E-11712	COLOR	8	Color Units	5	1	15	kiv	SM2120 B	
State Unregulated									
7439-92-1	LEAD	ND	mg/L	0.001	9.71E-06	0.015	mvp	200.8	
7440-50-6	COPPER	ND	mg/L	0.005	0.00024	1.3	mvp	200.8	

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).

MCL (Maximum Contaminant Level): maximum permissible level of a contaminant in water established by EPA. Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value (indicated as ND) is not currently established.



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INORGANIC COMPOUNDS (IOC) REPORT

Client Name: Hayes Drilling Inc.
5696 Ershig Rd.
Bow, WA 98232

Reference Number: 07-04955

Project: 12119 Ron Swensen
Field ID: wellhead
Sample Description: 4:30 p.m.
Sampled By:
Sample Date: 4/24/2007
Source Type:

Lab Number: 04611359
Report Date: 5/3/2007
Date Received: 4/25/2007
Sampler Phone:

Supervisor: *do*

ADS 072

CAS	ANALYTES	RESULTS	UNITS	PQL	MDL	MCL	Analyst	METHOD	COMMENT
	Other								
E-10184	ELECTRICAL CONDUCTIVITY	278	uS/cm	10	10	700	so	SM2510 B	
	EPA Regulated (Secondary)								
16867-00-8	CHLORIDE	14	mg/L	20	0.012	250	mvp	300.0	

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).

MCL (Maximum Contaminant Level): maximum permissible level of a contaminant in water established by EPA. Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.

Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.

ND (Not Detected): indicates that the compound was not detected above the State Reporting Limit (SRL).

NA (Not Analyzed): indicates that this compound was not analyzed.

FORM: IOC_GEN